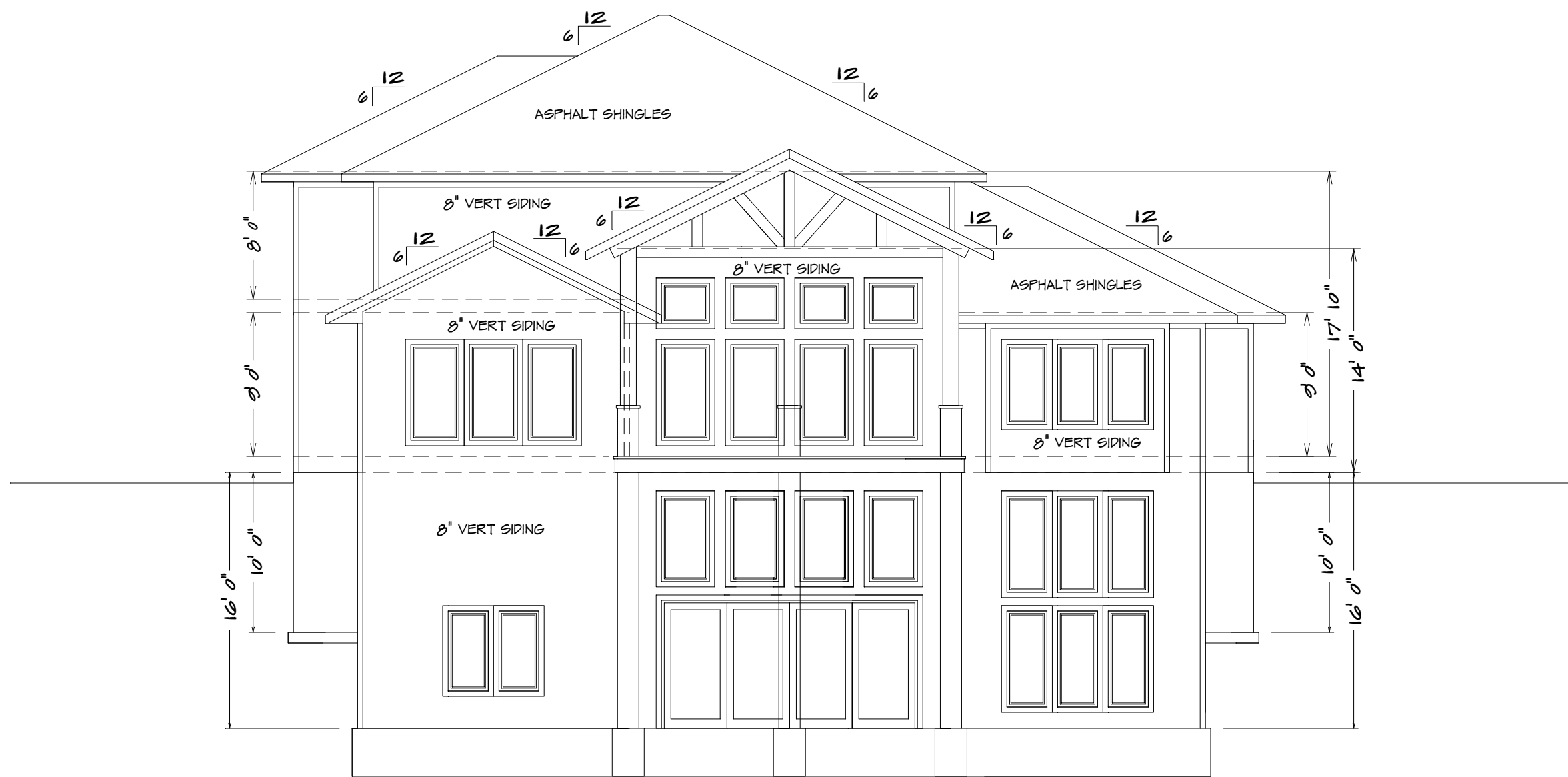


LEFT ELEVATION

1/8" = 1'0"

RIGHT ELEVATION

1/8" = 1'0"



REAR ELEVATION

1/8" = 1'0"

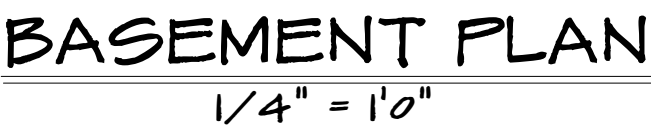
RETURN WALLS REQUIRED AT GRADE DROP LOCATIONS WHERE TOP OF FND. WALL IS GREATER THAN 4' ABOVE GRADE. CONTINUOUS REINFORCEMENT AT ALL FOOTING JUMPS. ALL INTERIOR FOUNDATION WALLS AT FLOOR DROP SHALL HAVE VERT. BARS EXTENDED AND TIED TO FLOOR SLAB WITH INTERMEDIATE DEADMEN ANCHORS. EXTEND FROST DEPTH FOOTING AROUND CORNER AS NECESSARY TO MAINTAIN A MINIMUM 36 INCHES BELOW ADJACENT GRADE.

RETURN WALLS REQUIRED AT GRADE DROP LOCATIONS WHERE TOP OF FND. WALL IS GREATER THAN 4' ABOVE GRADE. CONTINUOUS REINFORCEMENT AT ALL FOOTING JUMPS. ALL INTERIOR FOUNDATION WALLS AT FLOOR DROP SHALL HAVE VERT. BARS EXTENDED AND TIED TO FLOOR SLAB WITH INTERMEDIATE DEADMEN ANCHORS. EXTEND FROST DEPTH FOOTING AROUND CORNER AS NECESSARY TO MAINTAIN A MINIMUM 36 INCHES BELOW ADJACENT GRADE.

BUILDER/CONTRACTOR IS RESPONSIBLE TO CHECK ALL DIMENSIONS FOR ACCURACY BETWEEN FLOORS, FOUNDATION AND ELEVATIONS. ALSO VERIFY ALL BEAM, HEADERS, AND COLUMN SIZES. BUILDER/CONTRACTOR SHALL CHECK FOR CONFLICTS WITH EXISTING UTILITIES AND STRUCTURES. BUILDER/CONTRACTOR SHALL ACCEPTS ALL RESPONSIBILITY FOR LOT PLACEMENT, SETBACKS, AND ALL OTHER REQUIREMENTS. BUILDER/CONTRACTOR AND HOME OWNER ACCEPTS RESPONSIBILITY FOR ANY AND ALL COPYRIGHT INFRINGEMENTS OR RESEMBLANCES TO OTHER COPYRIGHTED PLANS. BUILDER/CONTRACTOR ACCEPTS RESPONSIBILITY FOR ANY ON SITE CHANGES MADE TO STRUCTURE.

HOME BUYER:	PHONE:	DATE DRAWN:	PLAN NO.	SHEET NO.
BUILDER:	PHONE:	DATE REVISED:	SF-7036	2
SUE-DIVISION:	LOT NO.	DESIGNER:	FILE NAME: 7036 ELEV	APPROX. SQ.FT. 2



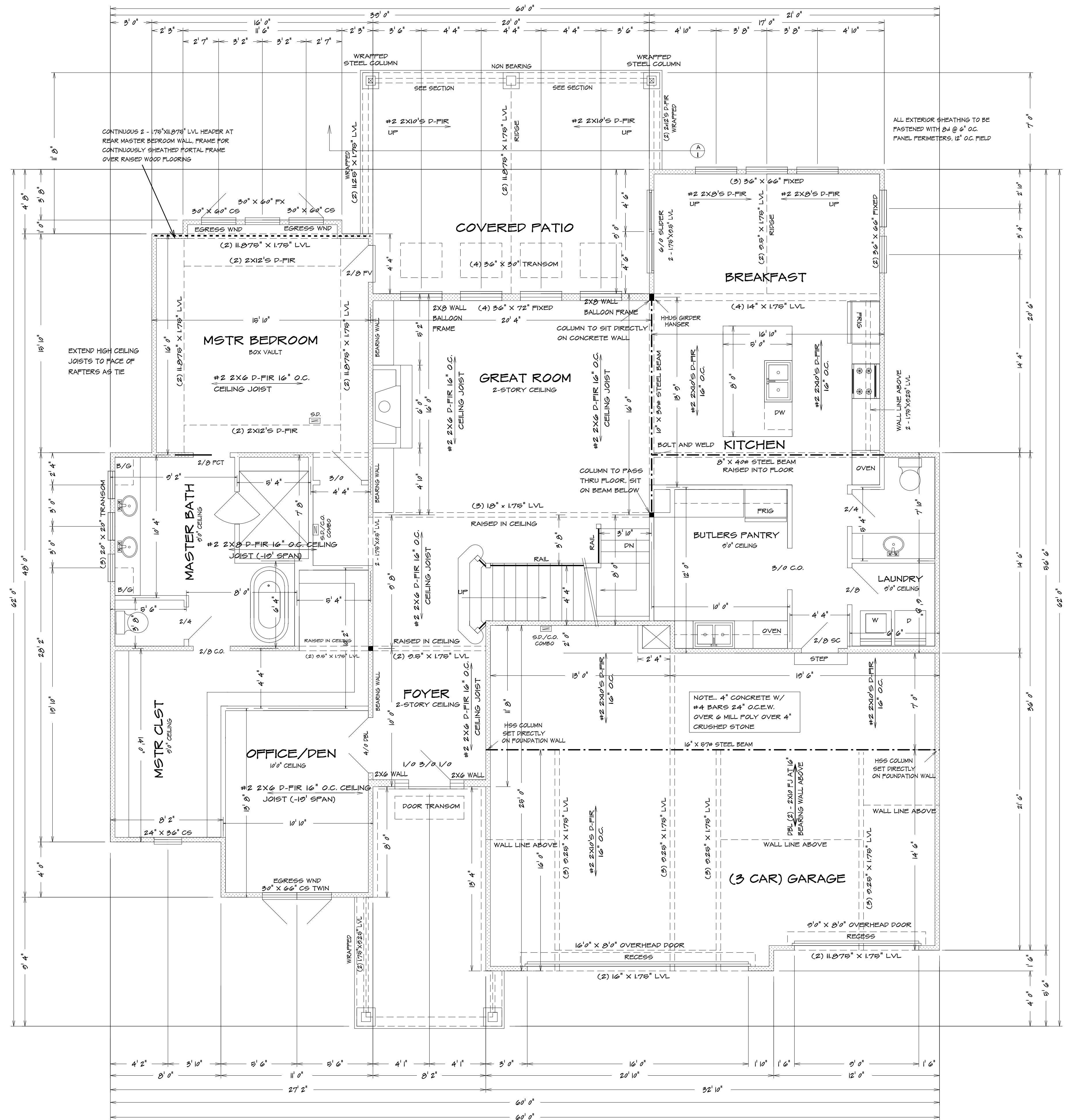
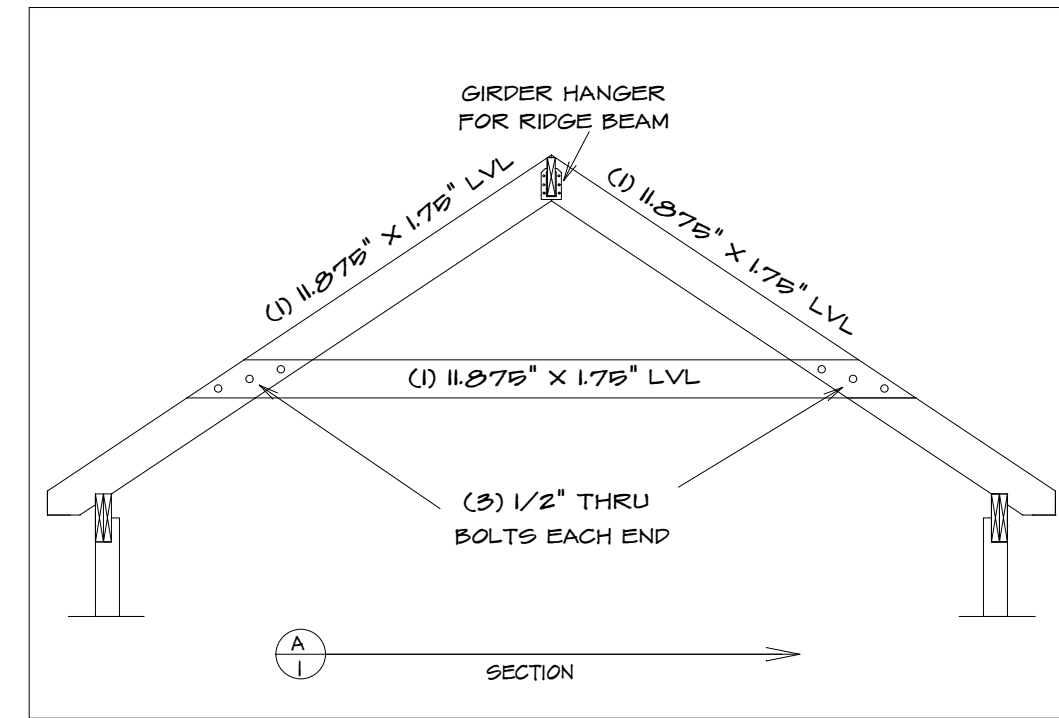


SF-7036

CERTIFICATION FOR  
STRUCTURAL ITEMS

STATE OF MISSOURI  
MARON DELANEY  
OVERMEIER  
NUMBER  
FE008019580  
PROFESSIONAL ENGINEER

*Maron D. Overmeier*  
1994-23



BEARING WALL LINES

FIRST FLOOR PLAN

$1/4" = 1'0"$

ALL NOTES, SECTIONS, AND DRAWINGS  
ARE IN ACCORDANCE WITH THE 2018 IRC

SF-7036

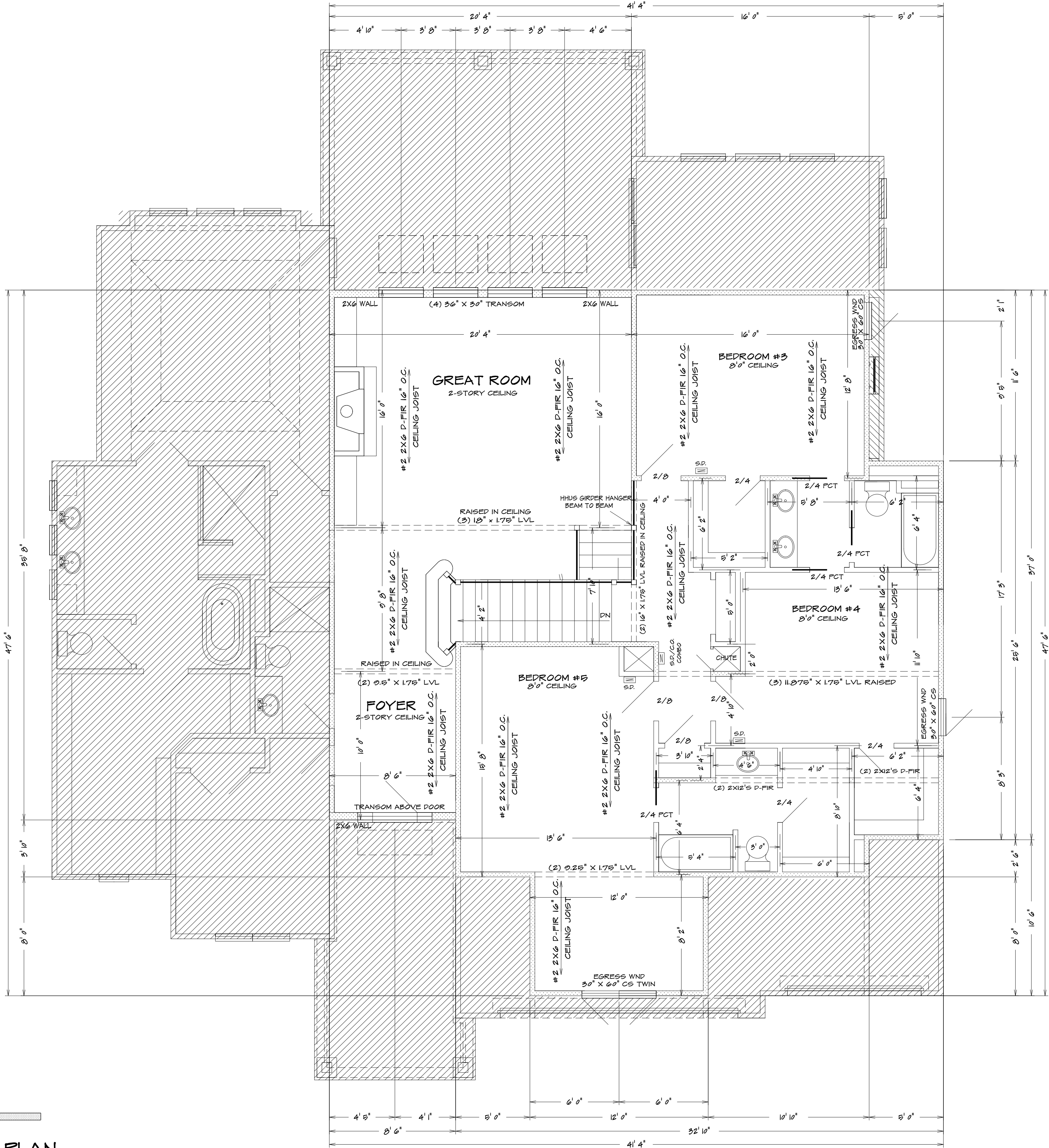
HOME BUYER:	PHONE:	DATE DRAWN:	PLAN NO.	SHEET NO.
BUILDER:	PHONE:	DATE REVISED:	9F-7036	4
SUB-DIVISION:	LOT NO.	DESIGNER:	FILE NAME:	APPROX. SQ.FT.
			7036 FLRI	

BUILDER/CONTRACTOR ACCEPTS RESPONSIBILITY FOR ANY ON SITE CHANGES MADE TO STRUCTURE.



ALL NOTES, SECTIONS, AND DRAWINGS  
ARE IN ACCORDANCE WITH THE 2018 IRC

BEARING WALL LINES  
**SECOND FLOOR PLAN**  
1/4" = 1'0"



BUILDER/CONTRACTOR IS RESPONSIBLE TO CHECK ALL DIMENSIONS FOR ACCURACY  
BETWEEN FLOORS, FOUNDATION AND ELEVATIONS ALSO VERIFY ALL ROOM HEADERS,  
PAC LOCATIONS, AND COLUMN SIZES. BUILDER/CONTRACTOR'S RESPONSIBILITY TO  
CHECK FOR ACCURACY OF ALL DIMENSIONS AND LOCATIONS. BUILDER/CONTRACTOR  
ACCEPTS ALL RESPONSIBILITY FOR LOT PLACEMENT, SET BACKS, AND ALL  
DIMENSIONS. BUILDER/CONTRACTOR ACCEPTS RESPONSIBILITY FOR ANY AND ALL  
COPYRIGHT INFRINGEMENTS OR RESEMBLANCES TO OTHER COPYRIGHTED PLANS.  
BUILDER/CONTRACTOR ACCEPTS RESPONSIBILITY FOR ANY ON SITE CHANGES MADE  
TO STRUCTURE.



HOME BUYER:  
BUILDER:  
SUE-DIVISION:

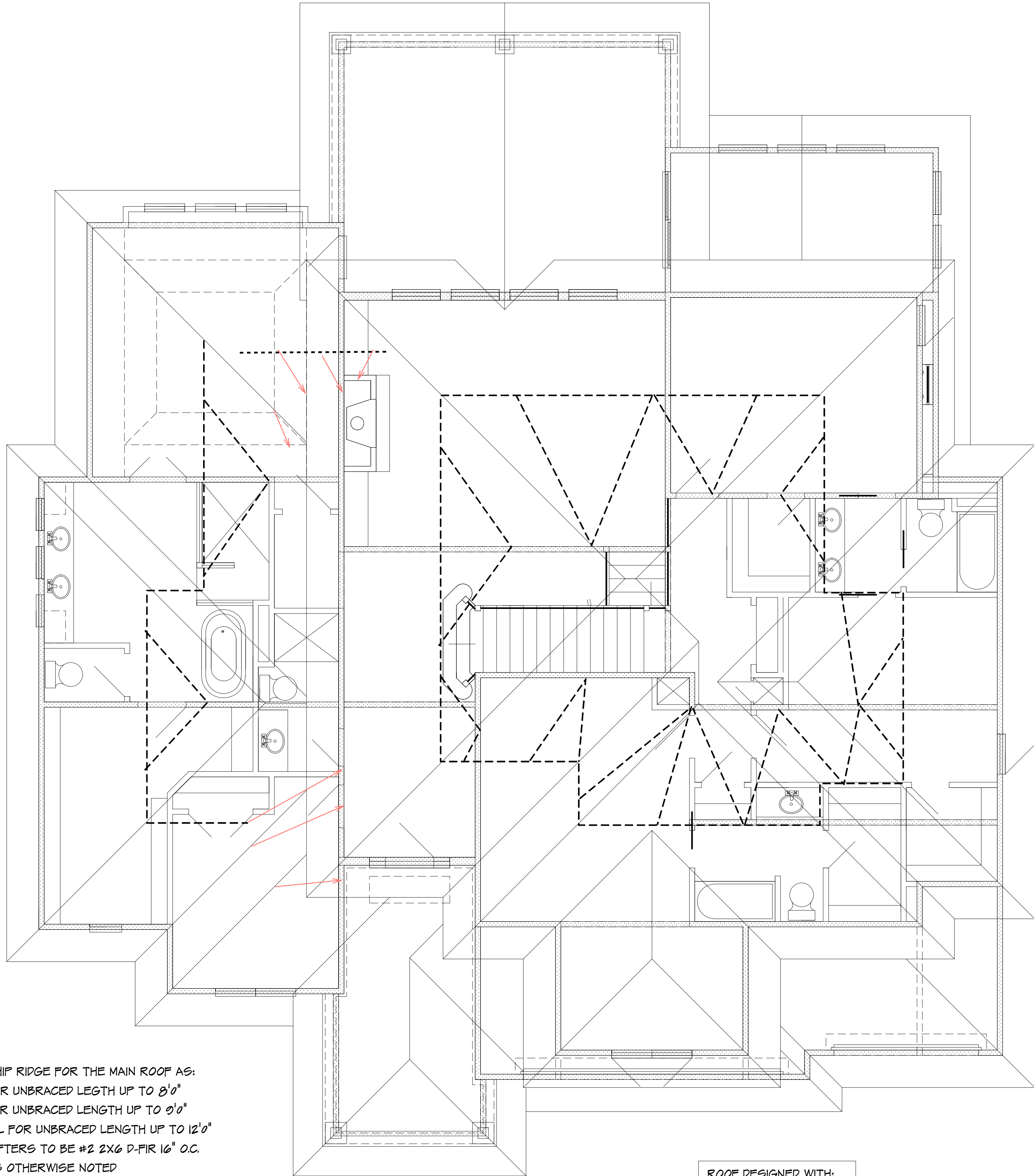
PHONE:  
PHONE:  
LOT NO.:

DATE DRAWN:  
DATE REVISED:  
DESIGNER:

PLAN NO. SF-7036  
FILE NAME: 7036 FLR2

SHEET NO. 5  
APPROX. SQ.FT. 7036

NOTE: HIP RIDGE FOR THE MAIN ROOF AS:  
2X8 FOR UNBRACED LENGTH UP TO 9'0"  
2X10 FOR UNBRACED LENGTH UP TO 9'0"  
9.5" LVL FOR UNBRACED LENGTH UP TO 12'0"  
ALL RAFTERS TO BE #2 2X6 D-FIR 16" O.C.  
UNLESS OTHERWISE NOTED  
PURLING RAFTERS TO BEARING WALL LINES  
CONNECT RAFTERS TO CEILING JOIST W/ 4-16d  
GALV. NAILS  
CONNECT RAFTERS TO RIDGE, VALLEY, AND  
HIP W/ 4-16d GALV.NAILS  
VERT. RIDGE AND RAFTER SUPPORTS TO BE  
EQUAL TO OR GREATER THAN THE DEPTH OF  
RAFTERS



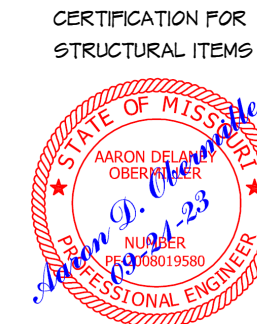
ROOF ELEVATION  
1/4" = 1'0"



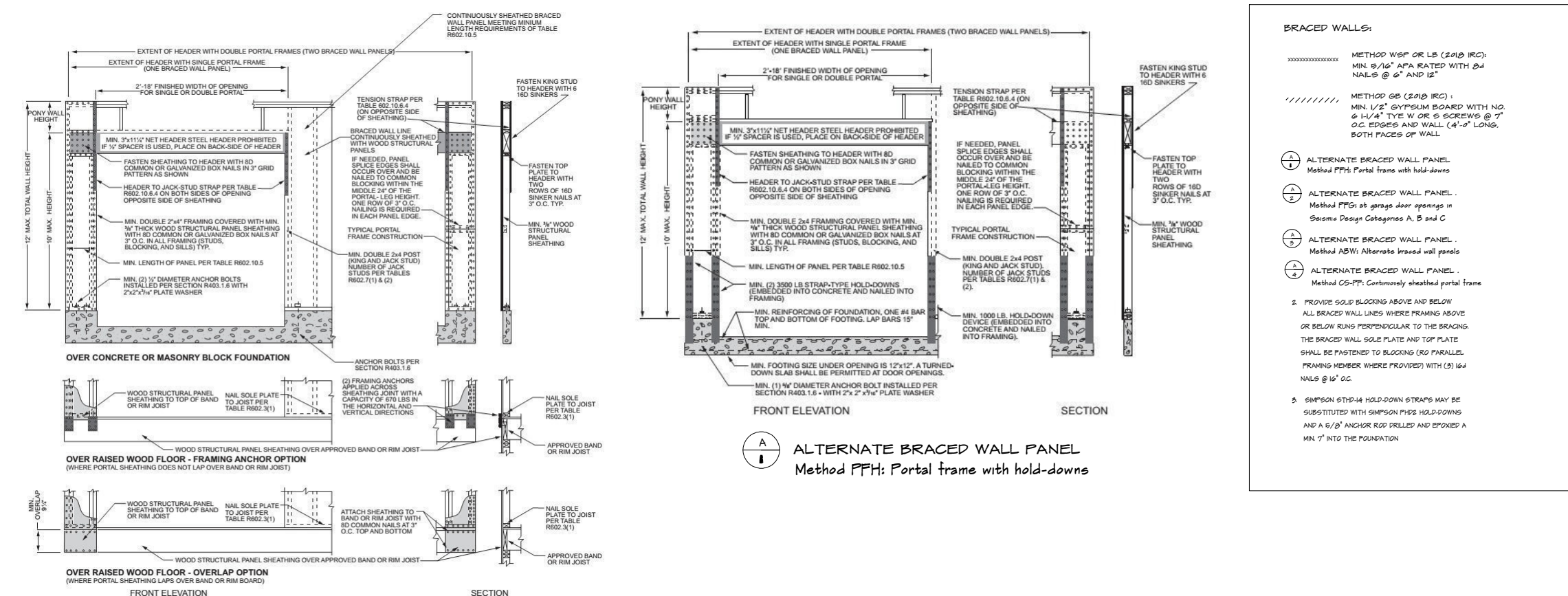
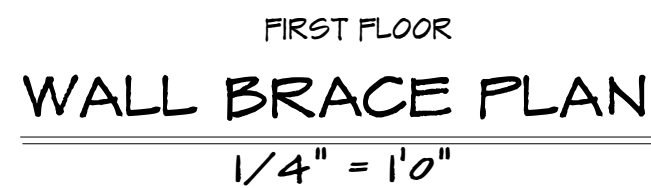
ROOF DESIGNED WITH:  
LIVE LOAD = 20 PSF  
DEAD LOAD = 10 PSF

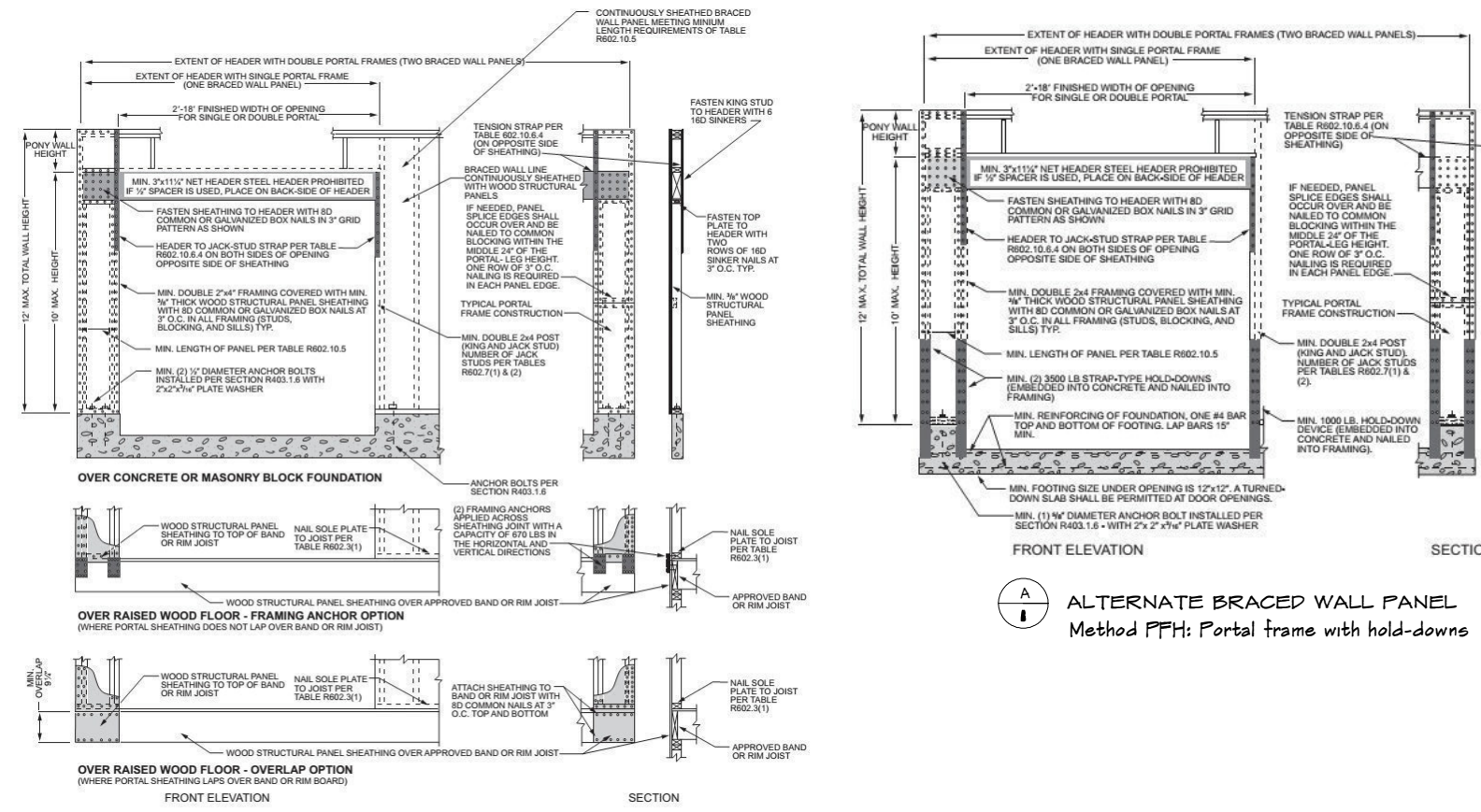
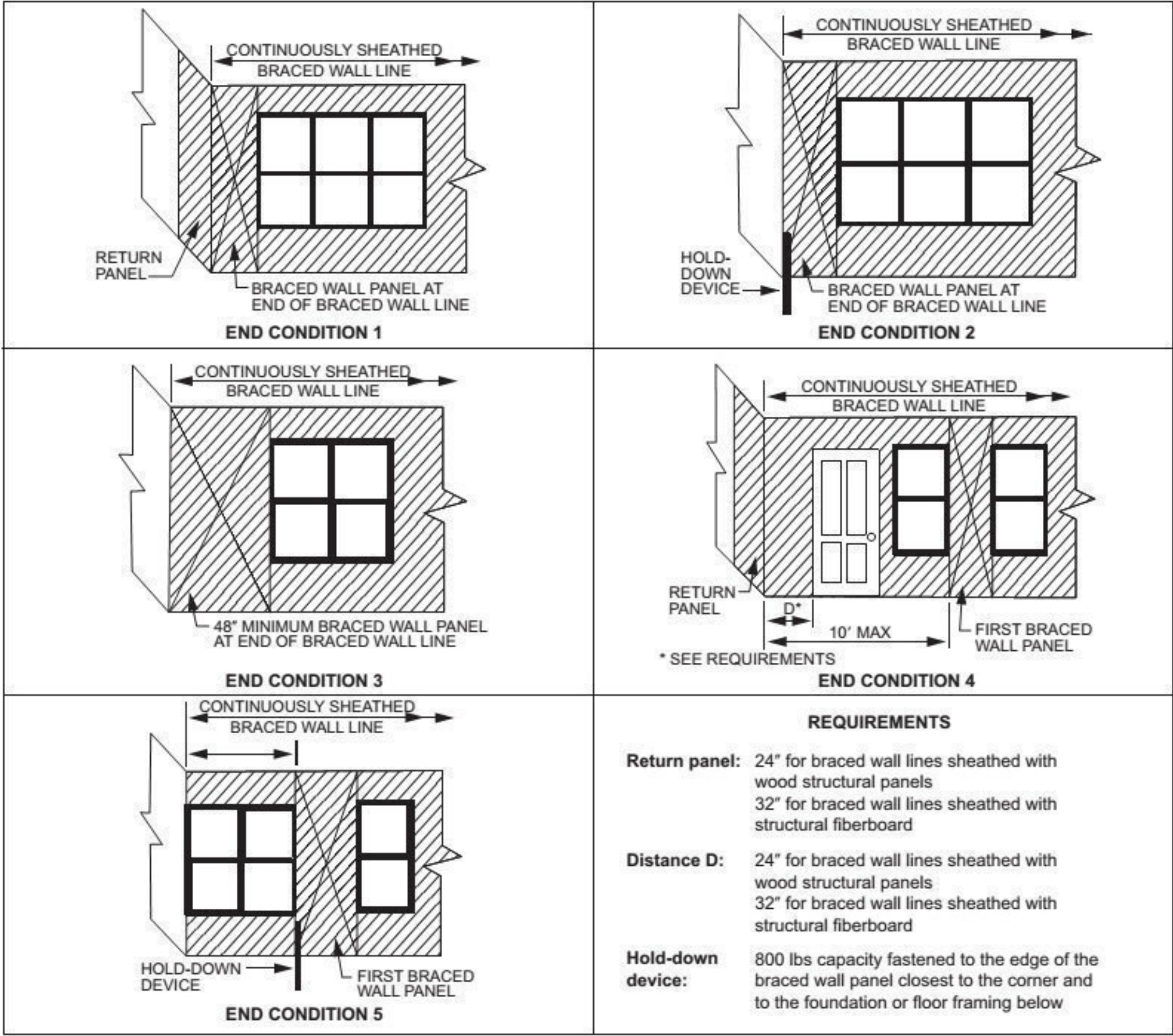
ALL NOTES, SECTIONS, AND DRAWINGS  
ARE IN ACCORDANCE WITH THE 2018 IRC

BUILDER/CONTRACTOR IS RESPONSIBLE TO CHECK ALL DIMENSIONS FOR ACCURACY  
BETWEEN FLOORS, FOUNDATION AND ELEVATIONS ALSO VERIFY ALL BEAM, HEADERS,  
AND COLUMN SIZES. BUILDER/CONTRACTOR'S RESPONSIBILITY TO CHECK FOR  
CORRECTIONS OF ALL DIMENSIONS. BUILDER/CONTRACTOR'S RESPONSIBILITY TO  
ACCEPTS ALL RESPONSIBILITY FOR LOT PLACEMENT, SETBACKS, AND PLANS.  
BUILDER/CONTRACTOR AND HOME OWNER ACCEPTS RESPONSIBILITY FOR ANY AND ALL  
COPYRIGHT INFRINGEMENTS OR RESEMBLANCES TO OTHER COPYRIGHTED PLANS.  
BUILDER/CONTRACTOR ACCEPTS RESPONSIBILITY FOR ANY ON SITE CHANGES MADE  
TO STRUCTURE.



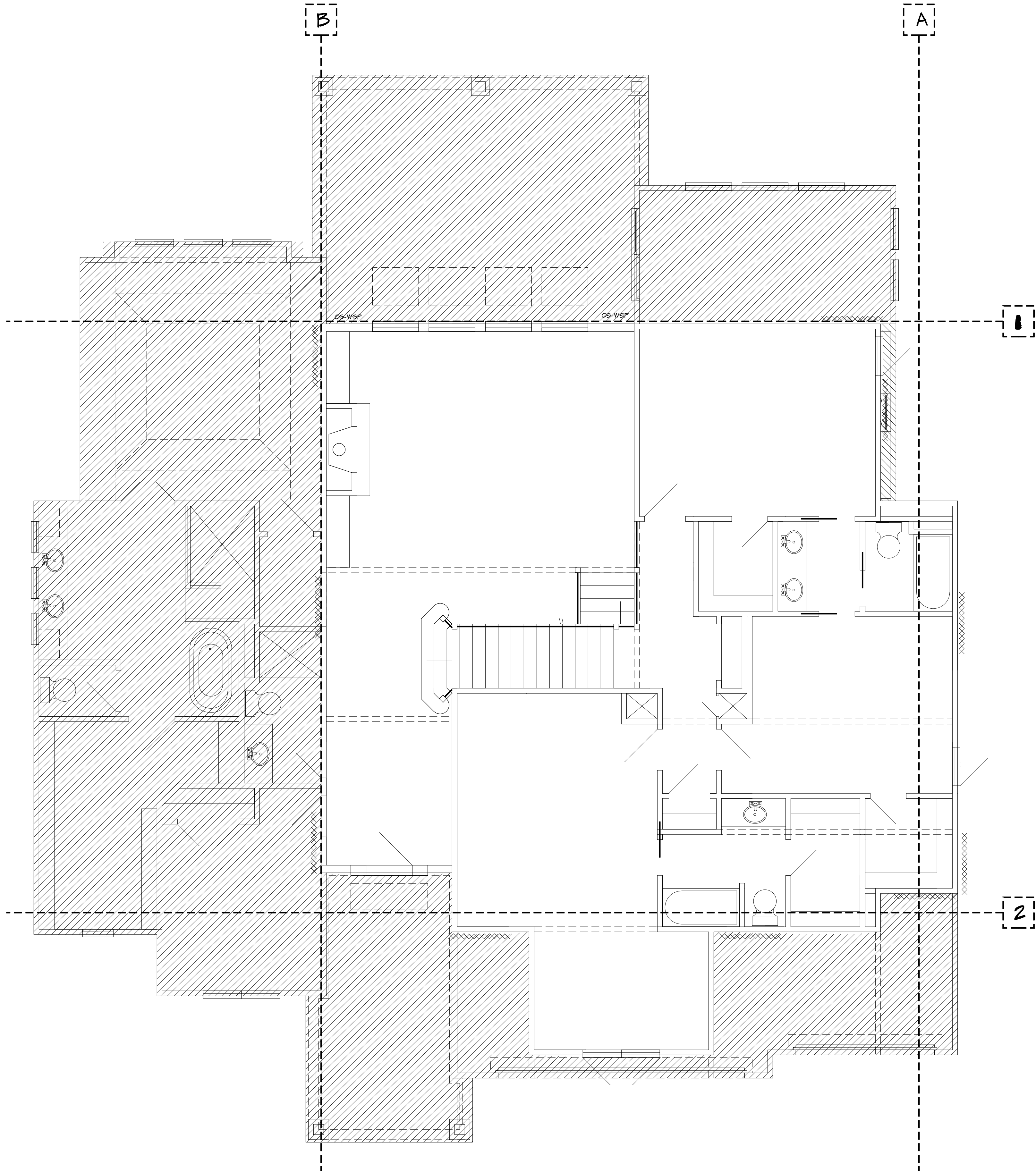
HOME BUYER:	PHONE:	DATE DRAWN:	PLAN NO.	SHEET NO.
BUILDER:	PHONE:	DATE REVISED:	SF-7036	6
SUE-DIVISION:	LOT NO.	DESIGNER:	FILE NAME: 7036 ROOF	APPROX. SQ.FT. 6

[illegible]



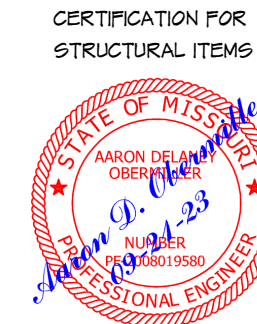
ALTERNATE BRACED WALL PANEL.  
Method CS-PP: Continuously sheathed portal frame

BRACED WALL LINES				
WALL	SPACING	TYPE	REQ'D	PROVIDED
1	17' 0"	WSP	6' 6"	12' 0"
2	24' 6"	WSP/GB	9' 6"	12' 0"
A	17' 0"	WSP	6' 6"	12' 0"
B	28' 0"	WSP/GB	9' 6"	12' 0"



WALL BRACE PLAN  
1/4" = 1' 0"

HOME BUYER:	DATE DRAWN:	DATE REVISED:	DATE REVISED:	DATE REVISED:
	PHONE:	PHONE:	PHONE:	PHONE:
	LOT NO.	LOT NO.	LOT NO.	LOT NO.
BUILDER:	PLAN NO.	FILE NAME:	FILE NAME:	FILE NAME:
	8	9F-7036	9F-7036	9F-7036
	7036 WB92	7036 WB92	7036 WB92	7036 WB92
SUE-DIVISION:	SHEET NO.	APPROX. SQ.FT.	APPROX. SQ.FT.	APPROX. SQ.FT.
	8	8	8	8
	8	8	8	8



WINDOW SIZES SHOWN ARE APPROXIMATE.  
THE BUILDER SHALL SELECT WINDOWS TO MEET BUILDING CODE  
REQUIREMENTS AND TO FIT IN THE AVAILABLE SPACE. OVERALL  
ROUGH OPENINGS FOR MULLED UNITS WILL VARY BY  
WINDOW/ DOOR MANUFACTURER.

GARAGE  
THE GARAGE FLOOR SHALL BE SLOPED TOWARD GARAGE DOORS  
DOORS BETWEEN GARAGE AND DWELLING - MIN 1/8" SOILD CORE  
OR HONEY COMBED STEEL DOOR OR 20 MIN. RATED.  
GARAGE TO HAVE 5/8" TYPE X GYPSUM THROUGHTOUT  
THE H-FRAM SHALL CONSIST OF 2X6 FRAMING

EMERGENCY EGRESS  
PROVIDE ONE WINDOW FROM EACH BEDROOM THAT HAS A MIN.  
OPENABLE AREA OF 5.7 SR. FT. WITH A MIN. OPENABLE HEIGHT OF  
24" AND WIDTH OF 21"

CARBON MONOXIDE ALARMS  
CARBON MONOXIDE ALARMS FOR NEW CONSTRUCTION, AN  
APPROVED CARBON MONOXIDE ALARM SHALL BE INSTALLED  
OUTSIDE OF EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE  
VICINITY OF THE BEDROOMS IN DWELLING UNITS WITHIN WHICH  
FUEL-FIRED APPLIANCES ARE INSTALLED AND IN DWELLING UNITS  
THAT HAVE ATTACHED GARAGE.

GUARD OPENING LIMITATIONS  
REQUIRED GUARDS ON OPEN SIDES OF STAIRWAYS, RAISED FLOOR  
AREA, BALCONIES, AND PORCHES SHALL HAVE INTERMEDIATE RAILS  
OR ORNAMENTAL CLOSURES THAT DO NOT ALLOW PASSAGE OF A  
SPHERE 4" OR MORE IN DIAMETER.

**SMOKE ALARMS**  
PROVIDE SMOKE ALARMS IN EACH SLEEPING ROOM, OUTSIDE OF EACH SLEEPING ROOM AND ON EACH FLOOR, INCLUDING BASEMENT. ALARMS SHALL BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTIVATION OF ONE ALARM WILL ACTIVATE ALL OF THE ALARMS IN THE DWELLING.

HAS BEEN PROVIDED AND ADEQUATELY DESIGNED (AS IN A FULLY VAULTED ROOM) SUCH SHALL BE NOTED AS "STRUCTURAL" ON THE PLAN. PER 2018 IRC

EXCEPTIONS:  
WINDOWS WHOSE OPENING WILL NOT ALLOW A 4" DIAMETER  
SPHERE TO PASS THROUGH THE OPENING WHEN THE OPENING IS  
IN ITS LARGEST OPENED POSITION. OPENINGS THAT ARE PROVIDED  
WITH WINDOW FALL PREVENTION DEVICES, WHICH COMPLY WITH  
ASTM F 2090.  
WINDOWS THAT ARE PROVIDED WITH WINDOW OPENING CONTROL  
DEVICES THAT COMPLY WITH SECTION R312.2.2.

BRIDGING  
JOISTS EXCEEDING A NOMINAL 2" X 12" SHALL BE SUPPORTED  
LATERALLY BY SOLID BLOCKING, DIAGONAL BRIDGING  
(WOOD OR METAL), OR A CONTINUOUS 1" X 3" STRIP NAILED  
ACROSS THE BOTTOM OF THE JOIST PERPENDICULAR TO JOIST AT  
INTERVALS NOT EXCEEDING 8 FEET

1. ALL WINDOWS ARE SHOWN IN FEEET  
(IE 3050 IS A 3'0"-15" WINDOW).
- ALL DOORS SHOWN IN FEET AND INCHES  
(IE 2060 DOOR IS A 2'-8"-6" DOOR)
- CONTRACTOR/INSTALLER TO VERIFY R.O. DIMENSIONS WITH  
BUILDER SUPPLIED CUT SHEET PRIOR TO PRAMING.
2. ALL WINDOWS TO BE LOW-E GLASS TO MEET ALL LOCAL  
ENERGY CODE REQUIREMENTS.
3. PROVIDE EGRESS WINDOW IN ALL SLEEPING ROOMS.  
WINDOWS SHALL COMPLY WITH THE FOLLOWING:

A. MINIMUM OPEN AREA	5.7 SQ.FT.
B. MINIMUM OPENING HEIGHT	24 INCHES
C. MINIMUM OPENING WIDTH	20 INCHES
D. SILL HEIGHT 44" MAX ABOVE FLOOR	
4. ALL WINDOW SILLS ARE TO BE 24" MIN ABOVE FINISH FLOOR.  
OR SHALL BE FIXED/NOPEABLE
5. ALL WINDOWS AND GLAZED DOORS SHALL COMPLY WITH  
IRC SECTION R502.4: GLAZING IN HAZARDOUS LOCATIONS SHALL  
BE OF APPROVED SAFETY GLAZING MATERIALS.  
GLASS IN STORM DOORS, INDIVIDUAL FIXED OR OPERABLE  
PANELS ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL  
EDGE IS WITHIN A 24" ARC OF THE DOOR IN A CLOSED POSITION  
AND WHOSE BOTTOM EDGE IS WITHIN 60" OF THE FLOOR. WALLS  
ENCLOSING STAIRWAYS AND LANDINGS WHERE THE GLAZING IS  
WITHIN 60" OF THE TOP OR BOTTOM OF STAIR, ENCLOSURES FOR  
TUBS, SHOWERS AND WHIRLPOOLS, GLAZING IN FIXED OR  
OPERABLE PANELS EXCEEDING 6" SF AND WHOSE BOTTOM EDGE  
IS LESS THAN 18" ABOVE THE FLOOR OR WALKING SURFACE  
WITHIN 56".
6. ALL OPERABLE WINDOWS SHALL HAVE FALL PROTECTION PER  
IRC R612.2.
7. ALL GLAZING IN WINDOWS AND DOORS SHALL COMPLY WITH  
THE TEST CRITERIA FOR CATEGORY II IN ACCORDANCE WITH CPSC  
16 CFR 1201.
8. WINDOW MANUFACTURER TO CONFIRM EXACT SAFETY AND  
EGRESS WINDOW LOCATIONS PER LOCAL CODES.

1. ALL STUD WALL FRAMING SHALL BE CONTINUOUS FROM THE FLOOR TO ROOF OR CEILING DIAPHRAGM. UNO. ALL WALLS OVER 10'-0" ARE TO BE 2x6 @ 16" O.C.
2. PROVIDE WATER-RESISTANT EXTERIOR WALL COVERING ON ALL FRAMED WALLS TO COMPLY WITH IRC SECTION 602.3
3. PROVIDE GFI ELECTRICAL OUTLETS ON EXTERIOR, IN UNFINISHED BASEMENT, IN BATHROOMS, ABOVE KITCHEN COUNTERTOPS, IN GARAGE, AND WITHIN 6'-0" OF ANY SINK.
4. ALL EXTERIOR DOORS SERVED BY LANDING.
5. INSTALL CARBON MONOXIDE DETECTORS PER IRC SECTION 318 OUTSIDE OF EACH SLEEPING AREA.
6. INSTALL SMOKE DETECTORS IN EACH SLEEPING ROOM, OUTSIDE OF EACH SLEEPING AREA, WITH A MINIMUM OF ONE ON EACH FLOOR PER IRC SECTION 314.
7. PROVIDE A 1" RATED CEILING JOIST PER ASCE 6.2.6.1

1. ALL FOOTINGS ARE TO BE EXTENDED TO MIN 36" BELOW FINISHED GRADE.
2. ALL INTERIOR FOOTINGS FOR LOAD BEARING WALLS AND COLUMNS SHALL BE ISOLATED FROM THE BASEMENT FLOOR SLAB.
3. FOR ALL CONC WALL OPENINGS, PROVIDE 1 WALL STEP, PROVIDE ONE #4 BAR, 48" LONG DIAGONALLY AS CLOSE AS PRACTICAL TO CORNER.
4. ALL REINFORCEMENT SHALL BE LAPPED A MIN OF 24" AT ENDS SPICES AND AROUND CORNERS.
5. ANCHOR BOLTS ARE TO BE SPACED @ 36" WITH 7" MIN EMBED. A BOLT SHALL BE PLACED WITHIN 12" OF THE END OF EACH PLATE SECTION.
6. FASTEN JOISTS TO SILL PLATES WITH (3) 24 CONC NAILS.
7. WHERE JOIST IS PARALLEL TO FOUNDATION, PROVIDE SILL BLOCKING @ 32" FOR (3) 1ST SPACES. FASTEN TO SILL PLATE PER NOTE 6.
8. VAPOR BARRIER: 6 MIL PE VAPOR RETARDER WITH JOINTS LAPPED A MIN OF 6 INCHES WITH SILL BASE.
9. DAMP PROOFING: ONE COAT (MIN) OF DAMP PROOFING OR EQUIVALENT FOUNDATION MEMBRANE SHALL BE APPLIED TO EXTERIOR WALL SURFACES BELOW GRADE. SEAL THE HOLES, VOIDS BEFORE PLAIN.
10. FOUNDATION DRAIN: INSTALL CONT 4" PERFORATED PVC DRAIN TILE. DRAIN TILE TO BE EXTENDED TO SQUARE SUMP PIT WHICH EXTENDS A MIN 24" BELOW BASEMENT FLOOR.
11. ALL FRAMING MEMBERS IN CONTACT WITH CONCRETE SHALL BE AAC TREATED LUMBER.
12. ALL STEEL FASTENERS (INCLUDING FOUND. ANCHOR BOLTS) ON OGC TO BE (DOUBLE HOT-DIPPED) GALVANIZED.
13. PROVIDE A "JIFER" GROUP PER GFCI 3609.1 REQUIREMENTS:  
A. IF THE VERTICAL DISTANCE FROM THE WINDOW SILL TO ADJACENT GRADE IS GREATER THAN 44", PROVIDE A LADDER.  
B. ADD DRAIN TO DAYLIGHT OR SUMP PUMP.

CONTRACTOR TO PROVIDE ENERGY AUDIT USING THE HERS ENERGY RATING SYSTEM. IN LIEU OF AN ENERGY AUDIT, THE FOLLOWING PRESCRIPTIVE REQUIREMENTS MAY BE FOLLOWED:

- A. ALL DUCTS, AIR HANDLERS, FILTER BOXES, AND BUILDING ALL DUCTS, AIR HANDLERS, FILTER BOXES, AND BUILDING CAVITIES TO BE SEALED PER IRC SECTION N103.2.
- B. THE BUILDING THERMAL ENVELOPE IS REQUIRED TO BE SEALED THE BUILDING THERMAL ENVELOPE IS REQUIRED TO BE SEALED PER IRC SECTION N103.4.
- C. CONTRACTOR TO SUBMIT "MANUAL J" AND "MANUAL D" CALCULATIONS FOR THE HVAC SYSTEM
- D. INSULATION TO COMPLY WITH IECC AS FOLLOWS:

INSULATION TO COMPLY WITH IECC AS FOLLOWS:

ITEM	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND SPACING OF FASTENERS <sup>a</sup>	SPACING OF FASTENERS
<b>Roof</b>			
1	Blocking between joists or rafters to top plate, toe nail	3-6d (3/16" x 0.1375")	—
2	Ceiling joists to plate, toe nail	3-6d (2/16" x 0.1375")	—
3	Ceiling joists not attached to parallel or perpendicular girders or partitions, face nail	3-16d —	—
4	Collar to rafter, face nail or 1/4" x 3" square ridge strap	3-16d (3/16" x 0.1375")	—
5	Rafter or roof truss to top plate	3-16d knee nails (3/16" x 0.1375") 3-1/4" x 4" corner nails (3/16" x 0.1449")	2 toe nails on one side and 1 toe nail on opposite side of rafter or truss
6	Roof rafters to ridge, valley or hip rafters; toe nail face nail	4-16d (3/16" x 0.1375") 3-16d (3/16" x 0.1375")	—
<b>Wall</b>			
7	Built-up stud-face nail	16d (3/16" x 0.1419")	24" o.c.
8	Blocking stud at intersecting wall corners	16d (3/16" x 0.1375")	12" o.c.
9	Built-up header, two pieces with 1/2" spacer	16d (3/16" x 0.1375")	16" o.c. along each edge
10	Continued header, two pieces with 1/2" spacer	16d (3/16" x 0.1375")	16" o.c. along each edge
11	Continuous header to stud, toe nail	4-6d (2/16" x 0.1375")	—
12	Double studs, face nail	10d (3/16" x 0.1419")	24" o.c.
13	Double top plates, face nail	10d (3/16" x 0.1419")	24" o.c.
14	Double plates, minimum 2-in.-thick end of joint, blocking, face nail, header area	16d (3/16" x 0.1375")	—
15	Toe plate to end of blocking, face nail	4-16d (3/16" x 0.1375")	16" o.c.
16	Toe plate to joint of blocking at braced wall panels	3-16d (3/16" x 0.1375")	16" o.c.
17	Stud to sole plate, toe nail	3-6d (2/16" x 0.1375") or 16d (3/16" x 0.1375")	—
18	Top or sole plate to stud	2-16d (3/16" x 0.1375")	—
19	Top plates, laps at corners and intersections, face nail	2-10d (3/16" x 0.1375")	—
20	1" brace to each stud and plate, face nail	2-8d (2/16" x 0.1375") 2-6d (2/16" x 0.1375")	—
21	1" x 6" sheathing to each bearing, face nail	2-8d (2/16" x 0.1375") 2-6d (2/16" x 0.1375")	—
22	1" x 6" sheathing to each bearing, face nail	2-8d (2/16" x 0.1375") 2-6d (2/16" x 0.1375")	—
23	Wider than 1" x 6" sheathing to each bearing, face nail	3-8d (2/16" x 0.1375") 4-2d (2/16" x 0.1375")	—
<b>Floor</b>			
24	Joist to sill or girder, toe nail	3-6d (2/16" x 0.1375")	—
25	Joim joist to joist or joist to joim (roof applications only)	8d (2/16" x 0.1375")	6" o.c.
26	Joim joist blocking to sill plate, toe nail	8d (2/16" x 0.1375")	6" o.c.
27	1" x 6" subfloor or less to each joist, face nail	8d (2/16" x 0.1375") 2-6d (2/16" x 0.1375")	—
28	2" subfloor to joist or girder, blind and face nail	2-16d (3/16" x 0.1375")	—
29	2" planks (plank & beam-floor) floor	2-16d (3/16" x 0.1375")	at each bearing
30	Built-up girders and beams, 2-inch lumber layers	10d (3/16" x 0.1419")	At each joist or rafter
31	Ledge strip supporting joists	3-16d (3/16" x 0.1375")	At each layer
32	Joim joist to joim (roof applications only)	8d (2/16" x 0.1375")	At each joist or rafter

ITEM	DESCRIPTION OF MATERIALS	DESCRIPTION OF FASTENERS	SPACING OF FASTENERS	
			Edges (inches) <sup>a</sup>	Intermediate supports <sup>a</sup> (inches)
	<b>DESCRIPTION PANELS, SLOOFER, ROOF AND INTERIOR WALL SHEATHING TO PARTICIPATE WITH SHEATHING TO FRAMING</b>			
32	$3/8" \times 1/2"$	6d common ( $C = 0.131^b$ ) nail (sloofer wall) 6d common ( $C = 0.131^b$ ) nail (roof)	6	12 <sup>c</sup>
33	$1/2" \text{gal.}^d - 1"$	6d common ( $2 1/2" \times C = 0.131^b$ ) nail 6d common ( $3" \times C = 0.146^b$ ) nail 6d ( $2 1/2" \times C = 0.131^b$ ) deformed nail	6	12 <sup>c</sup>
34	$3/8" \times 1/2"$	6d common ( $C = 0.131^b$ ) nail (deformed nail)	6	12
	<b>Other wall sheathing<sup>e</sup></b>			
35	$1/2"$ structural cellulose fiberboard sheathing	$1 1/4"$ galvanized roofing nails $1 1/4"$ common or $1 1/2"$ common 16 ga., $3/4"$ long	6	12
36	$3/8"$ structural cellulose fiberboard sheathing	$1 1/4"$ galvanized roofing nails $1 1/4"$ common or $1 1/2"$ common 16 ga., $3/4"$ long	3	6
37	$1/2"$ gypsum sheathing <sup>f</sup>	$1 1/4"$ galvanized roofing nails 1/4" shingle g-nails, 1/4" shingles, Type W or S	6	12
38	$5/8"$ gypsum sheathing <sup>f</sup>	$1 1/4"$ galvanized roofing nails 1/4" shingle g-nails, 1/4" shingles, Type W or S	7	7
<b>A</b>	<b>Wood structural members</b>	<b>Wood structural members</b>		
	<b>DESCRIPTION JOISTS, SLOOFER, SUBFLOOR UNDERLAYMENT TO FRAMING</b>			
39	$7/8"$ and less	6d deformed ( $C = 0.105^b$ ) nail 6d deformed ( $C = 0.131^b$ ) nail	6	12
40	$7/8" \times 1"$	6d common ( $2 1/2" \times C = 0.131^b$ ) nail 6d common ( $3" \times C = 0.146^b$ ) nail 6d deformed ( $2 1/2" \times C = 0.131^b$ ) nail	6	12
41	$1 1/8" \times 1 1/4"$	6d common ( $2 1/2" \times C = 0.131^b$ ) nail 6d deformed ( $2 1/2" \times C = 0.131^b$ ) nail	6	12

**Foundation Wall Reinforcement Schedule - Table 2**

**Footnotes:**

- 1. Wall height is measured from the top of the wall to the top of the floor slab.
- 2. Vertical reinforcement for concrete walls that are not full height and for reinforcement spaced 24 inch on center may be placed in the middle of the wall. Other walls shall have vertical reinforcement spaced as follows:
  - a. 8-inch wall – Minimum 5 #s placed from the outside face.
  - b. 10-inch wall – Minimum 8 #s placed from the outside face.
  - c. Extend bars to within 12 inches of the top of the wall.
- 3. Reinforcement clearances:
  - a. Concrete exposed to water – minimum 1 1/2 inches.
  - b. Not exposed to weather – minimum 1 1/2 inches.
  - c. Concrete exposed to weather (top of clearance in garage and driveway) 1 1/2 inches.
- 4. Horizontal reinforcement:
  - a. One bar shall be placed within 12 inches of the top of the wall.
  - b. Other bars shall be equally spaced with spacing not to exceed 24 inches on center.
  - c. Horizontal bars shall be placed as close as possible (interior) and behind the vertical reinforcement (i.e. towards the inside).
- 5. Supplemental reinforcement at corners – Place 1 #4 bar 48 inches apart at 45 degree angles from the edge of openings per Figure 2. Place reinforcement within 6" of the edge of inside corners.
- 6. Reinforcement shall be lapped a minimum 24 inches at ends, splices, and around corners. Laps shall be staggered. Laps shall be staggered 12 inches. Ledges shall be staggered to exceed a depth of more than 24 inches below the top of the wall. For wall thickness less than 4 inches provide #4 bars at maximum 24 inches on center to within 8 inches of the top of the wall.
- 7. Straight walls more than 5 feet tall and more than 16 feet long shall be provided with exterior bracing. Bracing shall be measured using inside the shortest dimension between intersecting walls. (See 7-5/2).



FLASHING OR ANOTHER APPROVED WEATHER RESISTIVE BARRIER SHALL BE PLACED BETWEEN THE CONCRETE PORCH STOOD AND THE DWELLING (IRC R516). THE WEATHER RESISTIVE BARRIER SHALL EXTEND UNDER THE WALL COVERING AND DOWN OVER THE EDGE OF THE FOUNDATION WALL TO FORM A CONTINUOUS BARRIER TO PREVENT WATER INTRUSION INTO THE BUILDING (IRC R70 PENETRATIONS, SEAMS, AND JOINTS SHALL BE EFFECTIVE SEALED.

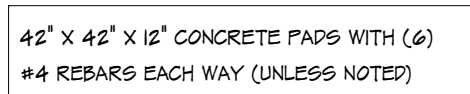
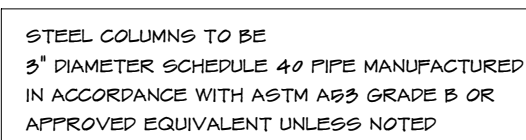
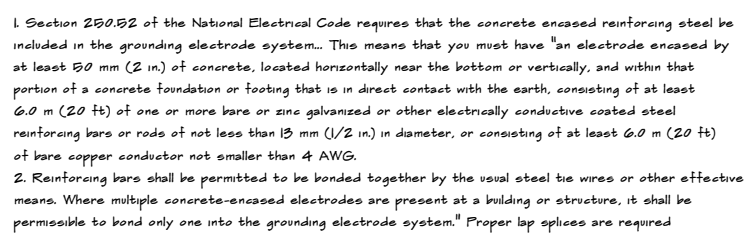
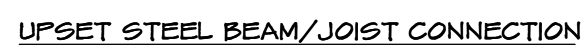
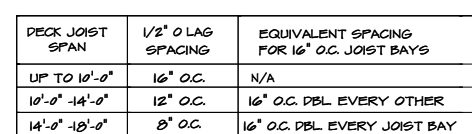
SEE ELEVATION FOR  
WALL HEIGHTS

NOTE... ELECTRICAL SERVICE  
TO BE 200 AMP.

NOTE... DOUBLE JOIST UNDER  
ALL PARALLEL WALLS  
ABOVE UNLESS NOTED

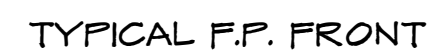
S.D.  
[M] = SMOKE DETECTOR

BUILDER/CONTRACTOR IS RESPONSIBLE TO CHECK ALL DIMENSIONS FOR ACCURACY BETWEEN CONTRACTOR AND HOME OWNER ACCEPTS RESPONSIBILITY FOR ANY AND ALL COPYRIGHT INFRINGEMENTS OR RESEMBLANCES TO OTHER COPYRIGHTED PLANS. BUILDER/CONTRACTOR ACCEPTS RESPONSIBILITY FOR ANY ON SITE CHANGES MADE TO STRUCTURE.



REQUIRED FOOTING:			
BUILDING HEIGHT	MINIMUM FOOTING	HORIZONTAL REBAR	LOCATION OF REBAR
1 OR 2 STY.	8" x 16"W	2-#4	5' FROM BTM
3 STORY	8" x 24"W	2-#4	5' FROM BTM
ACC. STR.	8" x 12"W	2-#4	5' FROM BTM

FOOTING FOR 12" THICK WALL TO BE DESIGNED BY OTHERS



NOTE..SEE SPECS FOR SPECIFIC APPLICATIONS.

HOME BUYER:	PHONE:	DATE DRAWN:	PLAN NO.	SHEET NO.
BUILDER:	PHONE:	DATE REVISED:	SF. 7036	10
SUB-DIVISION:	LOT NO.	DESIGNER:	FILE NAME: 7036 SEC2	APPROX. SQ.FT.

THE SUBCONTRACTOR IS RESPONSIBLE TO CHECK ALL DIMENSIONS FOR ACCURACY BETWEEN FLOORS, FOUNDATION AND ELEVATIONS ALSO VERIFY ALL REBAR LOCATIONS, REINFORCEMENTS AND COLUMN SIZES. SUBCONTRACTOR TO CHECK FOR COMPLIANCE WITH CONTRACTS, CITY AND NATIONAL CODES. SUBCONTRACTOR ACCEPTS ALL RESPONSIBILITY FOR LOT PLACEMENT, SET BACKS AND FLOOD PLANS. SUBCONTRACTOR AND HOME OWNER ACCEPTS RESPONSIBILITY FOR ANY AND ALL COPYRIGHT INFRINGEMENTS OR RESERVATIONS TO OTHER COPYRIGHTED PLANS. SUBCONTRACTOR ACCEPTS RESPONSIBILITY FOR ANY ON SITE CHANGES MAKE TO STRUCTURE.

CERTIFICATION FOR  
STRUCTURAL ITEMS



SF-7036